

Table E417.33-4

Explosive Transfer System, Explosive Manifold, and Destruct Charge Service-life Extension ⁽¹⁾	Section	Quantity Tested ⁽³⁾	
		1 Year ⁽⁴⁾	5 Years ⁽⁵⁾
		X=5	X=10
Component Examination:	E417.5		
Visual Examination	E417.5(b)	X	X
Dimension Measurement	E417.5(c)	X	X
Leakage	E417.5(h)	X	X
X-ray and N-ray	E417.5(f)	X	X
Non-Operating Environment Test and Operating Environment Tests:	E417.9		
Thermal Cycling ⁽²⁾	E417.11(h)	X	X
High-temperature Storage	E417.9(c)	-	X
Shock ⁽²⁾	E417.11(e)	X	X
Random Vibration ⁽²⁾	E417.11(c)	X	X
Tensile load	E417.9(j)	X	X
Component Examination:	E417.5		
Leakage	E417.5(h)	X	X
X-ray and N-ray	E417.5(f)	X	X
Firing Tests:	E417.33(b)(1)		
High-temperature	E417.33(b)(3)	2	5
Low-temperature	E417.33(b)(4)	3	5

⁽¹⁾ In order to extent an explosive transfer system, manifold, or destruct charge service-life, the component must undergo the tests required by the one-year column or the five-year column before its initial service-life or any previous service-life extension expires. For any explosive manifold with internal ordnance, the ordnance may undergo each test installed in the manifold or separately.

⁽²⁾ This test must subject each sample component to the qualification environmental level.